

Soil Mechanics and Foundation Engineering 2016, pages 1-7

Seismic Fluidification of Soil in the Bed of the Kazanskaya Riviera Tower

Voznesenskii E., Latypov A., Zharkova N.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016 Springer Science+Business Media New York A procedure and results are examined for experimentally studying the seismic stability of sandy soil in the bed of a developed high-rise building in Kazan' city. It is shown that the studied soil are not susceptible to fluidification in response to expected seismic events, although in certain of these, development of large additional deformations is predicted, which should be taken into account in design.

<http://dx.doi.org/10.1007/s11204-016-9395-3>
